



REPLACEMENT SHEET

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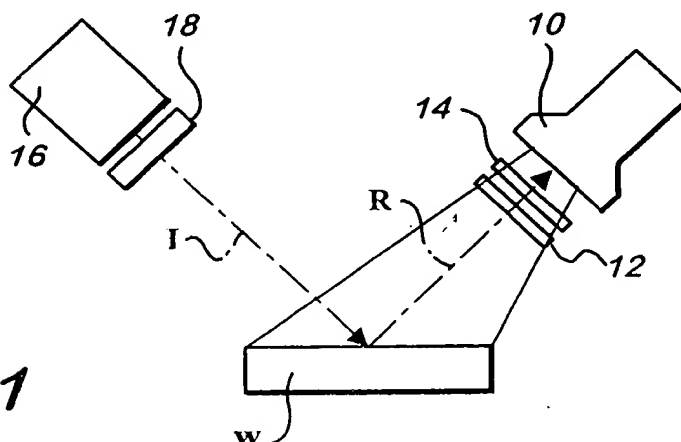


FIG. 1

**1. MEASURE**  
RADIANCE AT P&S  
POLARIZATIONS  
 $R_p$  AND  $R_s$  AT EACH  
PIXEL

**2. SIGNAL  
PROCESS**  
COMPUTE  
 $PER = R_p / R_s$   
AT EACH PIXEL

**3. MODEL**  
COMPUTE  
EMISSIVITY  
FROM PER

**4. CALCULATE  
TEMPERATURE**  
AT EACH PIXEL FROM  
RADIANCE AND  
CALCULATED  
EMISSIVITY

FIG. 2

**5. CONSTRUCT MAP**  
DISPLAY AND EXPORT

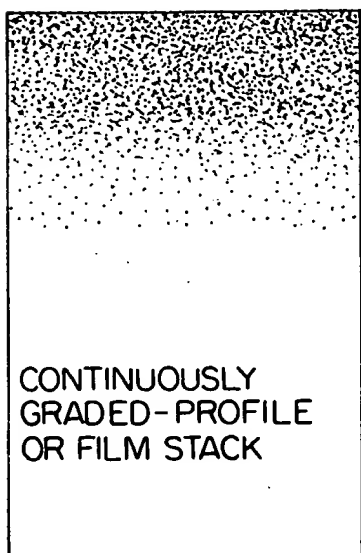


FIG. 3A

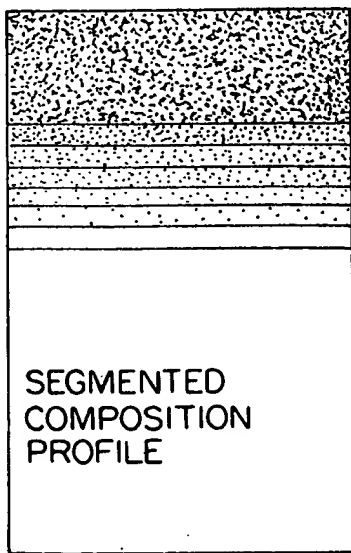


FIG. 3B

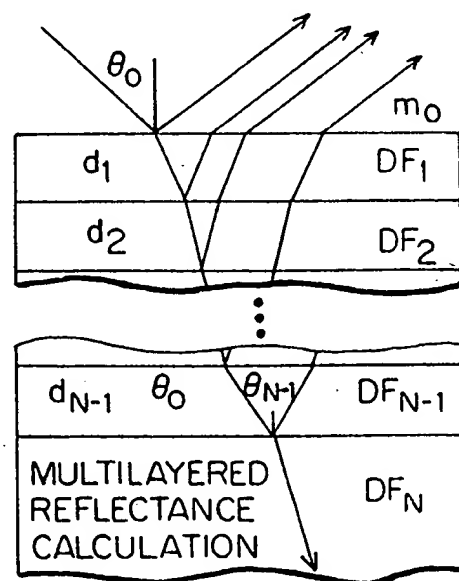
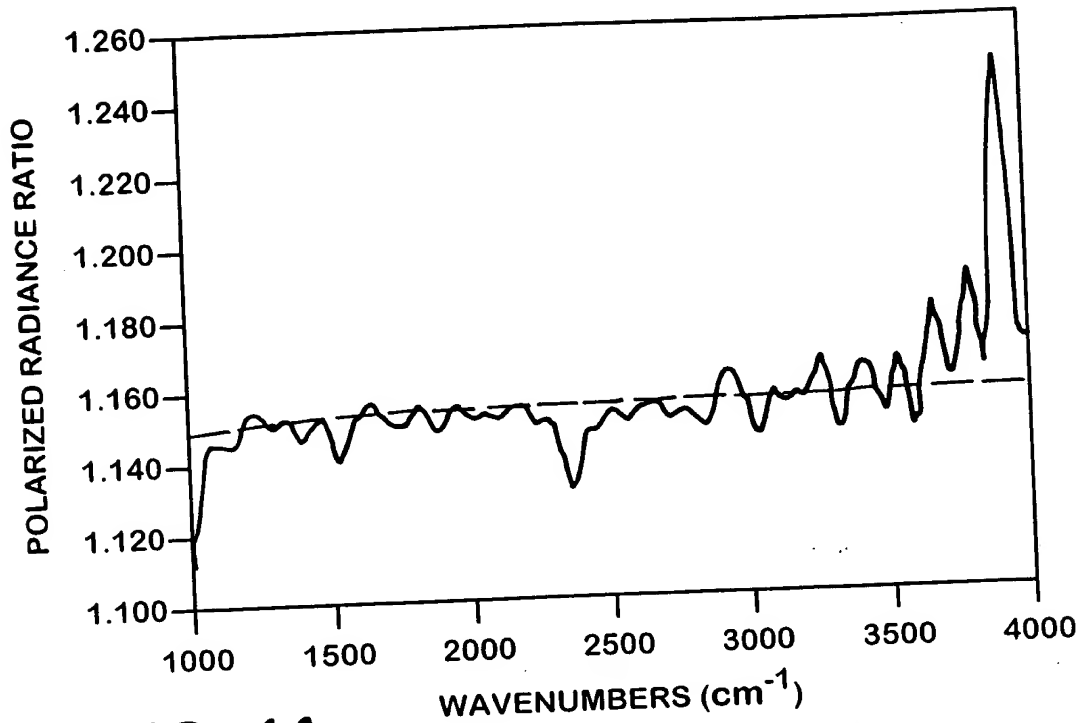
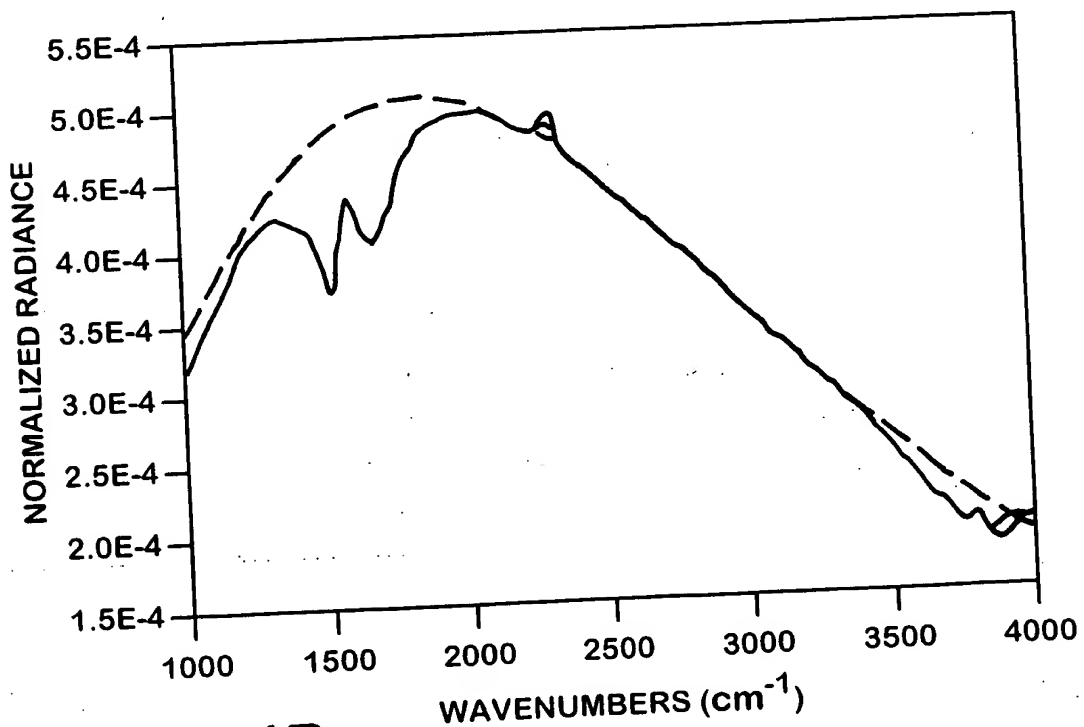


FIG. 3C

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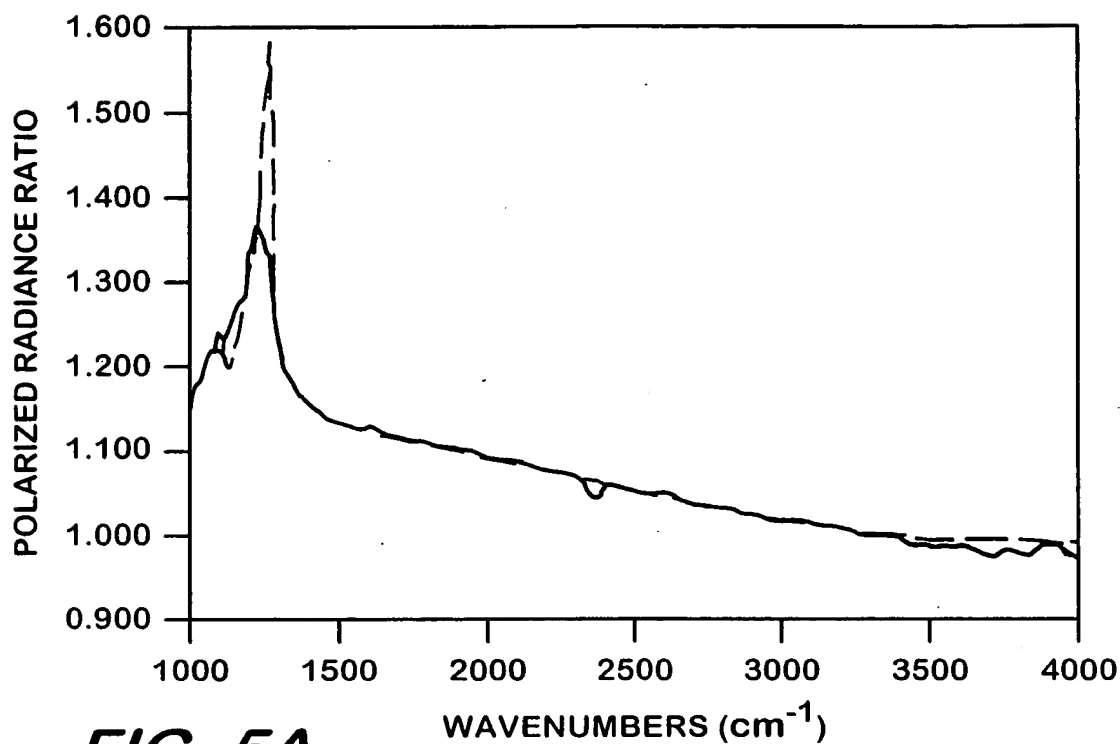


**FIG. 4A**

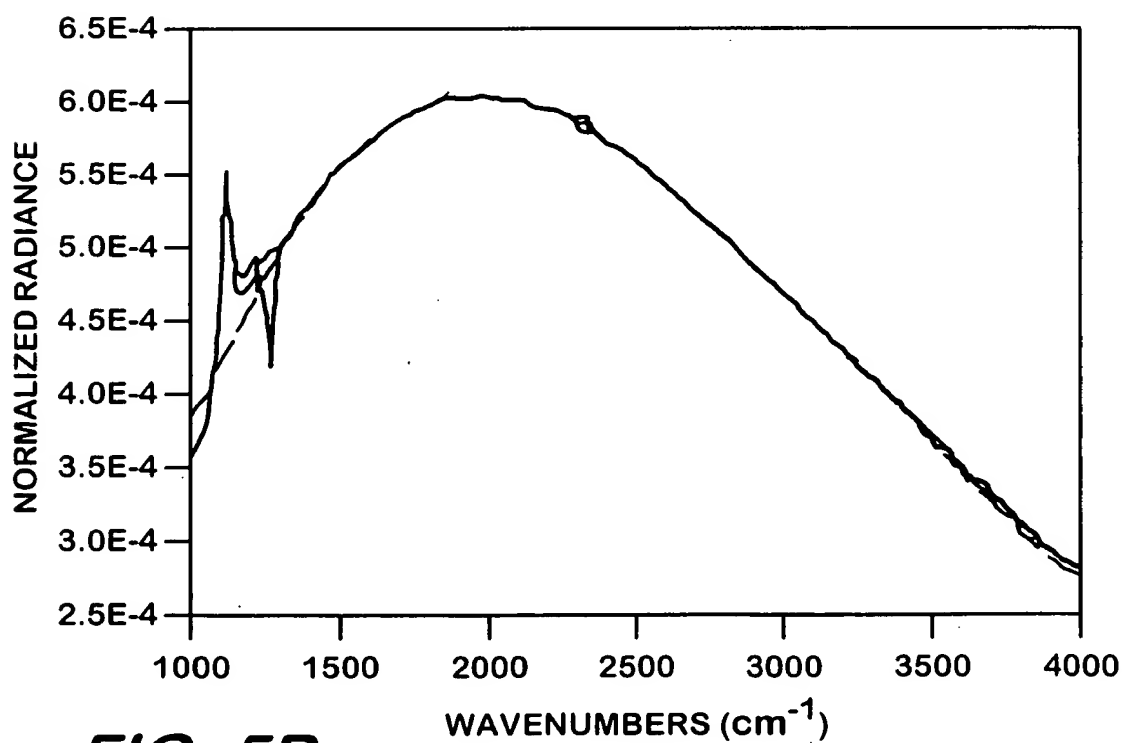


**FIG. 4B**

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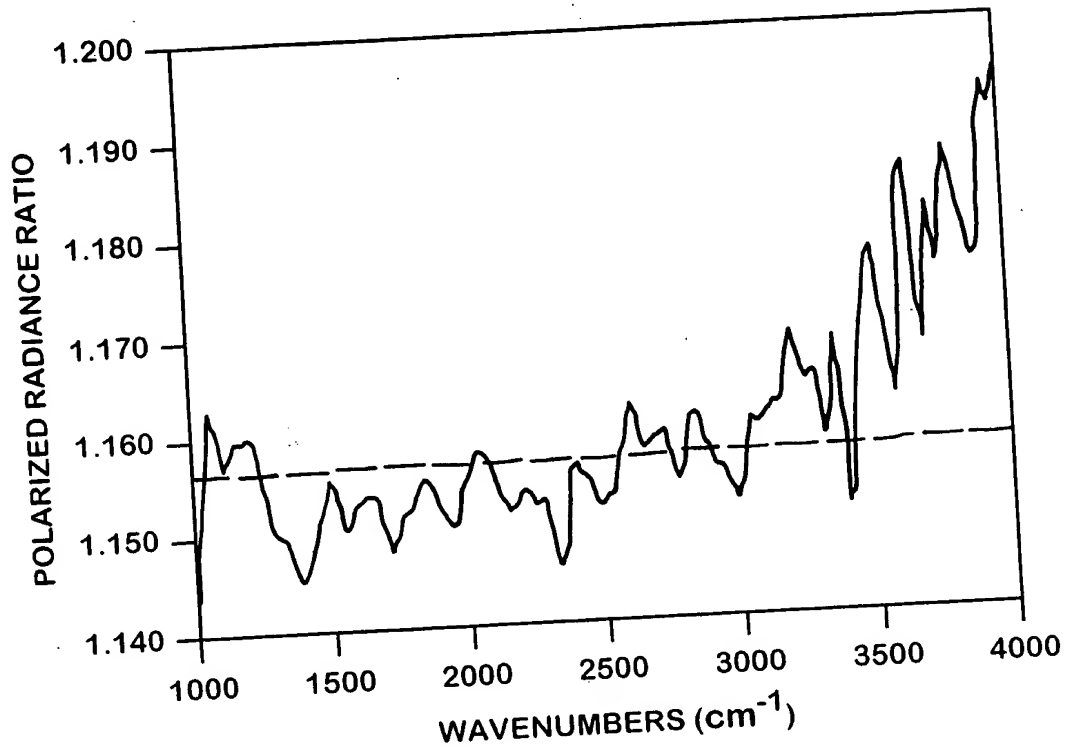


**FIG. 5A**

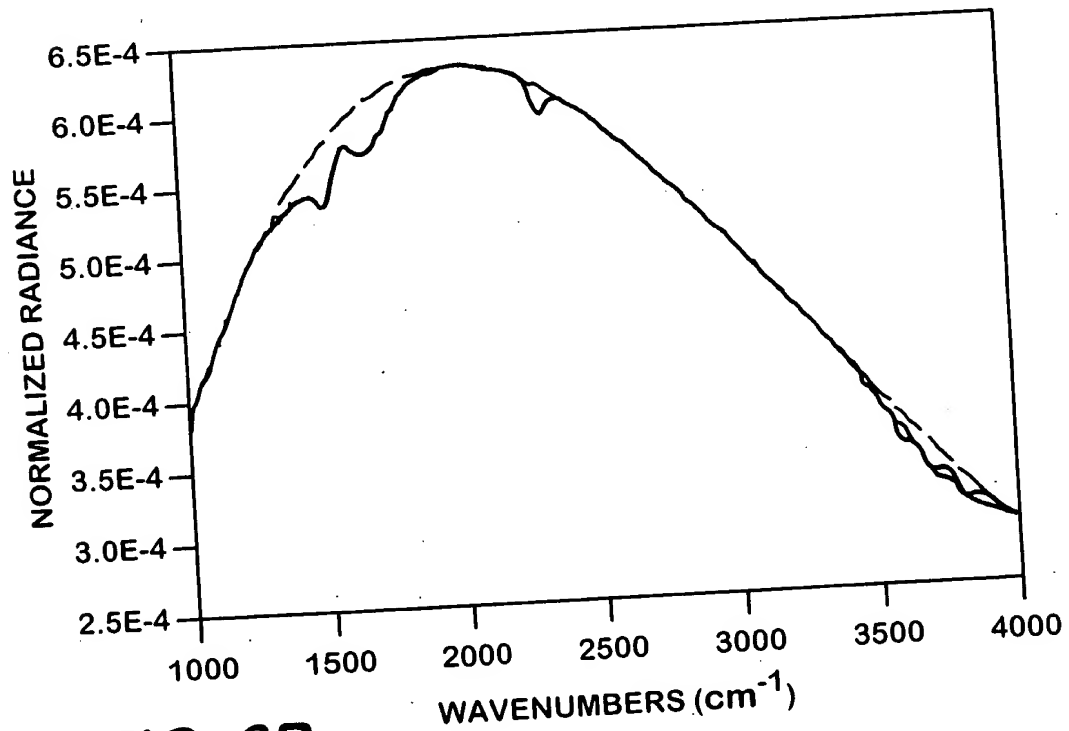


**FIG. 5B**

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**FIG. 6A**



**FIG. 6B**